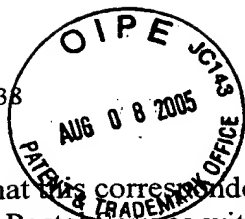


Serial No.: 09/925,838



I hereby certify that this correspondence is being deposited on 8/5/05 with the United States Postal Service with sufficient postage as first class mail under 37 CFR 1.8 in an envelope addressed to: Office of Petitions, Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date 8/5/05

Signature: Majorie Scariati
Majorie Scariati

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew John Stentz

Serial No.: 09/925,838

Filed: 08/08/2001

Title: OPTICAL AMPLIFIER HAVING AUTOMATIC GAIN CONTROL WITH IMPROVED PERFORMANCE

Art Unit: 3663

Conf. No.: 3872

Examiner: Deandra M. Hughes

Docket No.: PH01-01-02

Attn: Office of Petitions

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**PETITION TO REVIVE UNINTENTIONALLY ABANDONED APPLICATION UNDER
37 CFR 1.137(b) AND TRANSMITTAL OF FORMAL DRAWINGS AND
ISSUE FEE PAYMENT**

Sir:

This Petition to Revive Unintentionally Abandoned U.S. Patent Application 09/925,838 is filed in response to the Notice of Abandonment dated May 5, 2005.

As per the Notice of Abandonment, the applicant failed to file corrected formal drawings and to pay the required issue and publication fees in response to the Notice of Allowability dated

September 2, 2004. The entire delay in filing the required reply from the due date for the reply until the filing of this petition was unintentional.

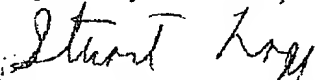
Per the requirements of the Notice of Allowability mailed September 2, 2004, Applicant submits herewith for approval five (5) sheets of formal drawings to be substituted for the five (5) sheets of drawings that were filed with the application on August 8, 2001. Applicant submits that this new set of formal drawings meets all the requirements of 37 CFR 1.84 and that the only changes made were the changes included in the proposed drawing correction filed on March 21, 2003, which were approved by the examiner in the Final Office Action mailed June 16, 2003. Specifically, a "PRIOR ART" label has been added to Figs. 1, 3 and 5, and Fig. 7 is amended to include identifications I_{PO} , I_{PI} , and I_b , as required by the Examiner in the Office Action mailed November 21, 2002. In addition, Fig. 2 now includes a "PRIOR ART" label as required by the Examiner in the Final Office Action mailed June 16, 2003.

Applicant also submits herewith a completed Part-B Issue Fee Transmittal, authorizing payment of the required issue fee and seven (7) patent copies to be charged to the undersigned attorney's PTO Deposit Account #50-1047.

As applicant believes it has now met the requirements of the Notice of Allowability mailed September 2, 2004, Applicant hereby petitions the Commissioner to grant this Petition to Revive. It is respectfully requested that the Notice of Abandonment be withdrawn, and the application proceed to issuance accordingly.

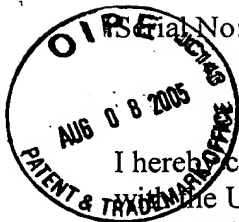
The PTO is hereby authorized to charge the \$750 Petition Fee, as well as the \$1000 issue fee and any additional fees required to the undersigned attorney's PTO Deposit Account #50-1047.

Respectfully submitted,



Stuart H. Mayer Reg. No. 35,277
Mayer Fortkort & Williams, PC
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Tel.: 908-518-7700
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Serial No: 09/925,838

I hereby certify that this correspondence is being deposited on 8/5/05
with the United States Postal Service with sufficient postage as first class mail under 37
CFR 1.8 in an envelope addressed to: Office of Petitions, Mail Stop Petition,
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date 8/5/05

Signature: Marjorie Scariati
Marjorie Scariati

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew John Stentz

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Title: OPTICAL AMPLIFIER HAVING AUTOMATIC GAIN CONTROL
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Attn: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

ATTN: OFFICIAL DRAFTSPERSON

TRANSMITTAL OF FORMAL DRAWINGS

The enclosed formal drawings are being filed simultaneously with a Petition to
Revive Unintentionally Abandoned Application Under 37 CFR 1.137(b).

In response to the Notice of Allowability mailed 09/02/2004, applicant submits

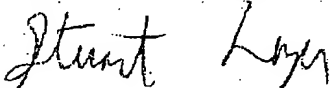
Serial No: 09/925,838

herewith for approval (5) sheets of formal drawings to be substituted for the previously filed formal drawing sheets of record.

Applicant submits that this new set of formal drawings meets all the requirements of 37 CFR 1.84. The only changes made are the changes included in the proposed drawing correction filed on March 21, 2003, which were approved by the examiner in the Final Office Action mailed June 16, 2003. Specifically, a "PRIOR ART" label has been added to Figs. 1, 3 and 5, and Fig. 7 is amended to include identifications I_{p0} , I_{p1} , and I_b , as required by the Examiner in the Office Action mailed November 21, 2002. In addition, Fig. 2 now includes a "PRIOR ART" label as required by the Examiner in the Final Office Action mailed June 16, 2003.

Reconsideration and entry of these formal drawings is respectfully requested.

Respectfully submitted:

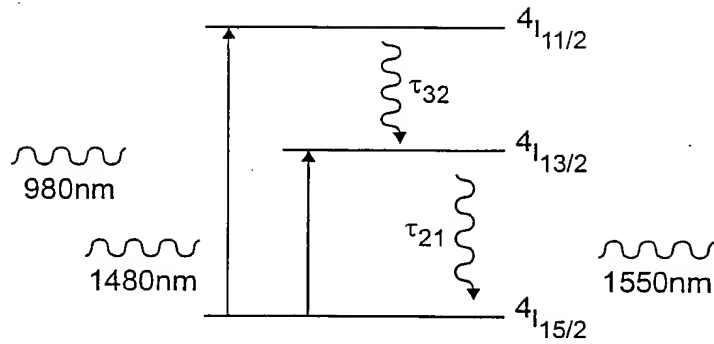


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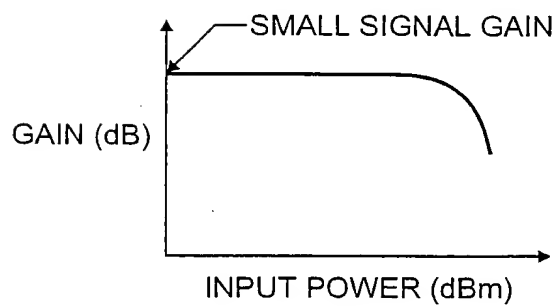
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SCHEMATIC ILLUSTRATION OF THE
RELEVANT ENERGY LEVELS OF ERBIUM IONS

FIG. 1

PRIOR ART



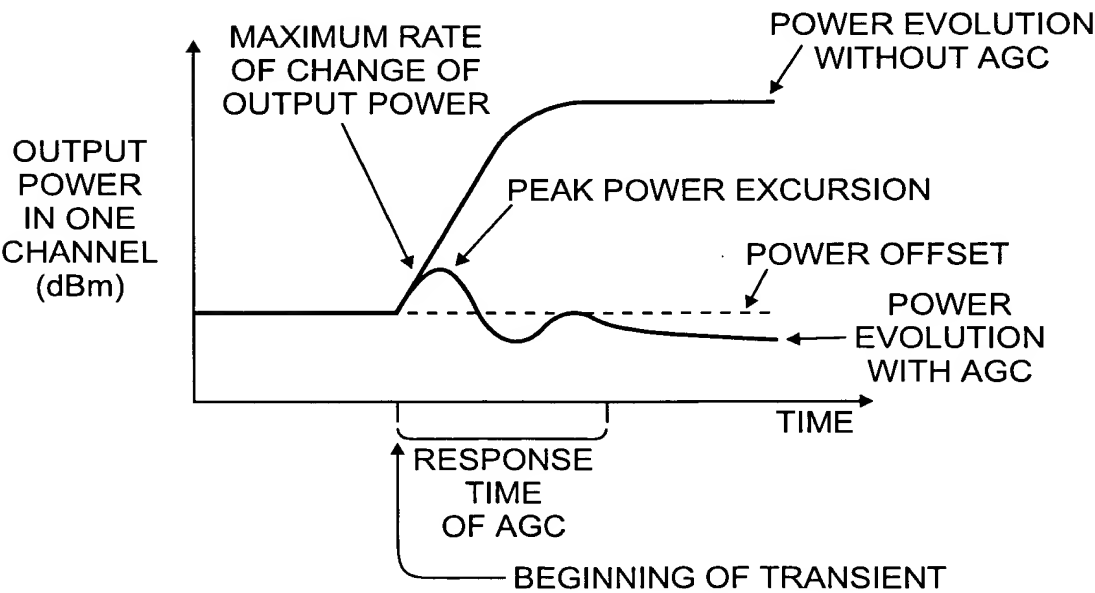
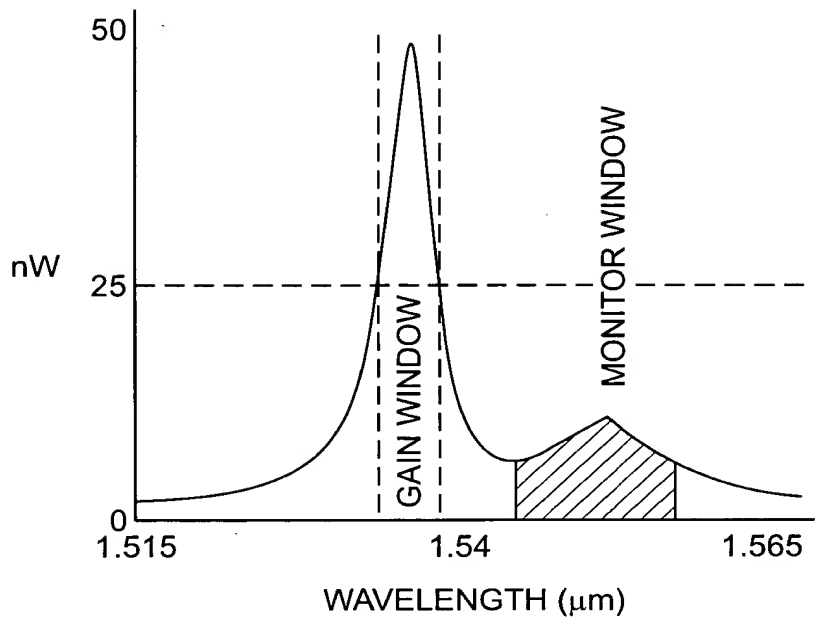
GAIN OF AN EDFA AS A
FUNCTION OF INPUT SIGNAL POWER

FIG. 2

PRIOR ART



FIG. 4



SCHEMATIC ILLUSTRATION OF THE EVOLUTION OF THE OUTPUT POWER OF ONE CHANNEL FROM A TYPICAL EDFA OPERATING UNDER AGC

FIG. 6

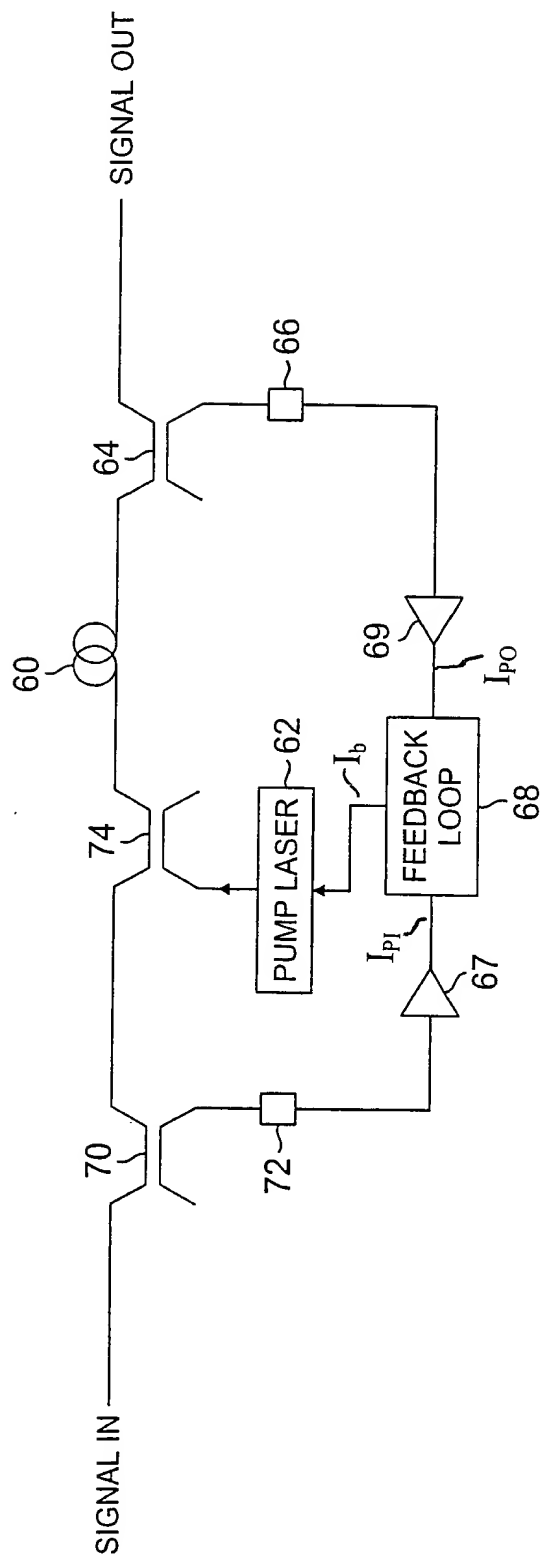


FIG. 7

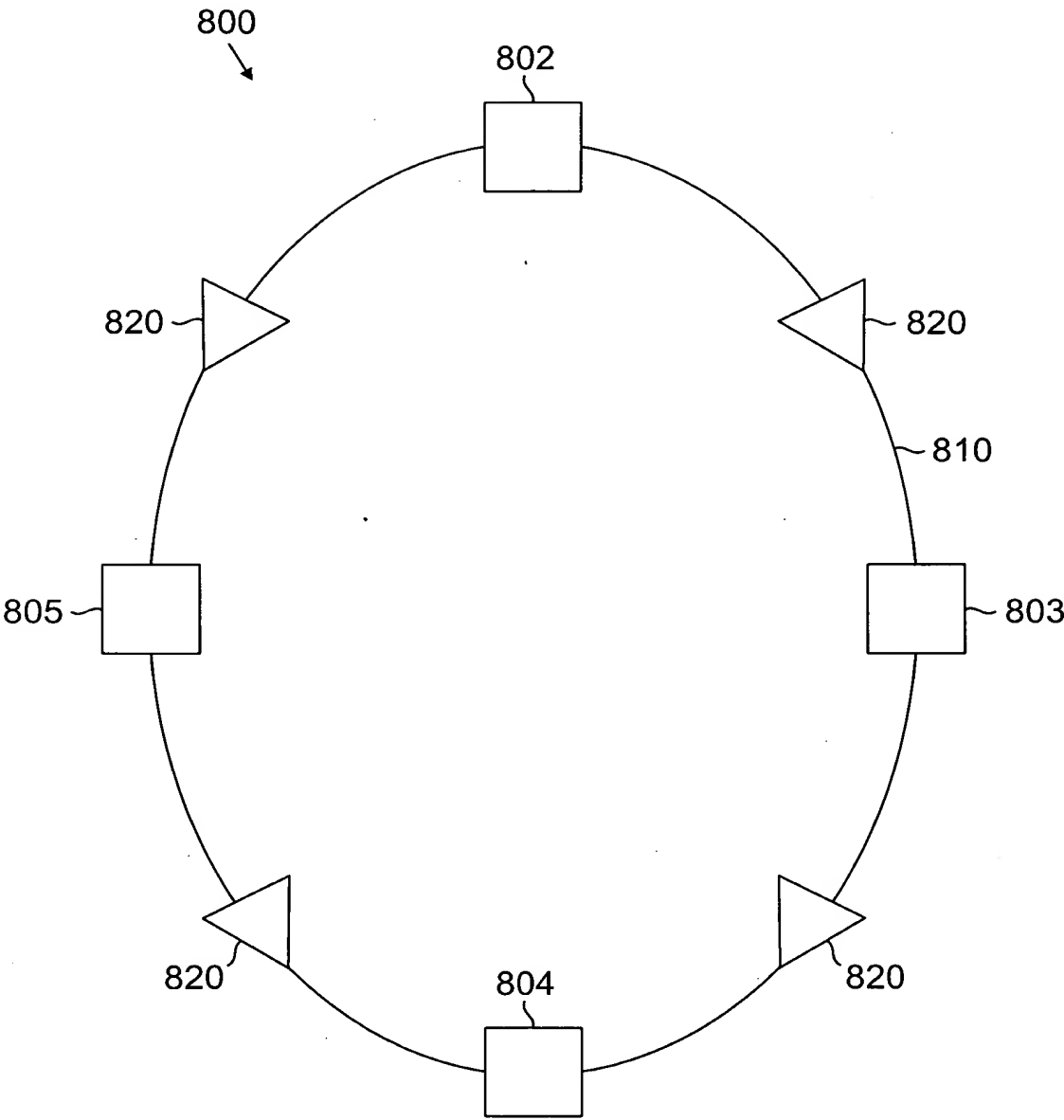


FIG. 8